

**WHAT IS CLAIMED IS:**

1. A topically applicable cosmetic/dermatological sunscreen composition suited for UV-photoprotecting the skin, scalp, lips, mucous membranes and/or hair against the damaging effects of ultraviolet irradiation, comprising (a) an effective UV-photoprotecting amount of at least one UV-A sunscreen and/or at least one UV-B sunscreen and (b) an effective aesthetically and SPF improving amount of glass microspheres, formulated into (c) a topically applicable, cosmetically/dermatologically acceptable vehicle, diluent or carrier therefor.
2. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres comprising a high slip, non-absorbent, non-porous white powder, essentially uniformly spheroidal.
3. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres having a mean particle size of up to 70  $\mu\text{m}$ .
4. The cosmetic/dermatological sunscreen composition as defined by Claim 3, said glass microspheres having a mean particle size of about 20  $\mu\text{m}$  or less.
5. The cosmetic/dermatological sunscreen composition as defined by Claim 4, said glass microspheres having a mean particle size on the order of 9-13  $\mu\text{m}$ .
6. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres comprising calcium aluminum borosilicate.
7. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres comprising sodium borosilicate.

8. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said at least one sunscreen (a) and said glass microspheres (b) being essentially homogeneously and uniformly distributed throughout said topically applicable, cosmetically/dermatologically acceptable vehicle, carrier or diluent (c).

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9. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres comprising from about 0.1 % to 10% by weight thereof.

10. The cosmetic/dermatological sunscreen composition as defined by Claim 1, said glass microspheres comprising from about 1 % to 5 % by weight thereof.

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11. The cosmetic/dermatological sunscreen composition as defined by Claim 1, comprising at least one hydrophilic organic UV-sunscreen and/or at least one lipophilic organic UV-sunscreen.

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12. The cosmetic/dermatological sunscreen composition as defined by Claim 11, comprising at least one dibenzoylmethane, anthranilate, benzophenone, p-aminobenzoic acid, camphor, cinnamate, salicylate,  $\beta,\beta$ -diphenylacrylate, triazine, benzimidazole, bis-benzoazolyl, methylene bis-(hydroxyphenylbenzotriazole), polymer or silicone sunscreen, or mixture thereof.

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13. The cosmetic/dermatological sunscreen composition as defined by Claim 12, comprising at least one avobenzene, octocrylene, oxybenzone, and/or octyl salicylate sunscreen.

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14. The cosmetic/dermatological sunscreen composition as defined by Claim 1, comprising at least one metal oxide sunscreen.

15. The cosmetic/dermatological sunscreen composition as defined by Claim 1, further comprising an effective amount of at least one artificial/sunless tanning agent.

5 16. The cosmetic/dermatological sunscreen composition as defined by Claim 15, said at least one artificial/sunless tanning agent comprising dihydroxyacetone.

10 17. The cosmetic/dermatological sunscreen composition as defined by Claim 1, formulated as a cream, dispersion, emulsion, gel, ointment, lotion, milk, mousse, spray, or tonic.

15 18. A topically applicable cosmetic/dermatological sunscreen oil-in-water emulsion suited for UV-photoprotecting the skin, scalp, lips, mucous membranes and/or hair against the damaging effects of ultraviolet irradiation, comprising (a) an effective UV-photoprotecting amount of at least one UV-A sunscreen and/or at least one UV-B sunscreen and (b) an effective aesthetically and SPF improving amount of glass microspheres, formulated into (c) a topically applicable, cosmetically/dermatologically acceptable vehicle, diluent or carrier therefor.

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19. The topically applicable cosmetic/dermatological sunscreen oil-in-water emulsion as defined by Claim 18, said glass microspheres comprising a high slip, non-absorbent, non-porous white powder, essentially uniformly spheroidal.

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20. The topically applicable cosmetic/dermatological sunscreen oil-in-water emulsion as defined by Claim 19, comprising hollow glass microspheres.

21. A regime or regimen for UV-photoprotecting human skin, scalp, lips, mucous membranes and/or hair against the damaging effects of ultraviolet

irradiation, comprising topically applying thereon (a) an effective UV-  
photoprotecting amount of at least one UV-A sunscreen and/or at least one UV-B  
sunscreen and (b) an effective aesthetically and SPF improving amount of glass  
microspheres, formulated into (c) a topically applicable,  
5 cosmetically/dermatologically acceptable vehicle, diluent or carrier therefor.

22. The UV-photoprotecting regime or regimen as defined by Claim 20, said  
glass microspheres comprising a high slip, non-absorbent, non-porous white  
powder, essentially uniformly spheroidal.